

IN THE CLAIMS

1-2. (Cancelled)

3. (currently amended) A refining element for use in the refining of fibrous material, said refining element including a refining surface having a pattern of bars and a plurality of intermediate first grooves having a first width between said plurality of bars, said bars including a pair of side surfaces and an upper surface and extending in an arcuate shape longitudinally outwardly over said refining surface, said upper surface of said bars including a plurality of second grooves having a second width, said first width being greater than said second width, said plurality of second grooves forming a predetermined angle of from 10° to 90° with respect to said longitudinal direction of said bars, whereby so that said second grooves extend substantially radially with respect to said refining surface.

4. (previously presented) The refining element of claim 3 wherein said plurality of second grooves each extend angularly in the same direction with respect to said bars.